

DESIGNATION OF A TYPE-SPECIES FOR  
*CYCLOGASTER* MACQUART, 1834, AND THE  
RESULTING SYNONYMY (DIPTERA: STRATIOMYIDAE)\*

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The generic name *Cyclogaster* Macquart (1834) has been used in combination with specific names for taxa of Stratiomyidae from diverse regions of the world. It has remained more or less in synonymy with *Lasiopa* Brullé (1832) since the time of Brauer (1882), although Pleske (1901: 336) described *Cyclogaster caucasica* (Palearctic) and Hutton (1901: 10) described *C. peregrinus* from New Zealand after Brauer's work appeared. Kertész (1908) also considered the two names synonymous, and placed 15 species in *Lasiopa*. These species are placed in at least five genera at the present time.

The purpose of this paper is to designate a type-species for *Cyclogaster*, which to my knowledge has never been done, in order to stabilize the generic synonymy as it is presently used by workers in the Stratiomyidae. A brief review of the history of the name *Cyclogaster* and generic names associated with it is necessary to understand the situation fully.

Macquart (1834: 256) first proposed the name *Cyclogaster* in the Diptera, and included in that taxon two species, *Nemotelus villosus* Fabricius (1794: 270; Palearctic) and *Stratiomys atrata* Fabricius (1805: 83; Neotropical). No single type-species was designated.

The generic name *Inermyia* Bigot (1856: 82, 63) was proposed for the South African species *Stratiomys edentula* Wiedemann (1824: 29). Gerstaecker (1857: 322) and Loew (1860: 7) both considered *Stratiomys edentula* a member of *Cyclogaster* Macquart and Kertész (1908: 30) listed *Inermyia* as a synonym with a query. Lindner (1972: 32) considered the species to be congeneric with the true, Palearctic *Lasiopa*, and it is listed as such by James (1980: 260).

Kirkaldy (1910: 8) noted that the name *Cyclogaster* was preoccupied in zoology by *Cyclogaster* Gronovius, in the fishes (this name will be discussed in more detail below). He proposed a replacement name for the name in the Diptera, *Neotropicalias*. No reference was made to any specific names, although one might infer he was think-

ing of the Neotropical species that Macquart had originally included in *Cyclogaster*.

Enderlein (1914: 579, 615), without any reference to Kirkaldy (1910), but evidently realizing that the two species originally included in *Cyclogaster* were not congeneric, proposed the name *Labocerina* for *Stratiomys atrata* Fabricius. In his paper, the new name was spelled *Labocerina* twice (pp. 579, 615), and "*Labacerino*" once (p. 615), and has subsequently been spelled "*Labocerino*" by James (1940: 124). These latter two spellings were regarded as errors by James (1973: 26.29). In the same paper, Enderlein considered *Cyclogaster* a synonym of *Lasiopa*.

The name *Cyclogaster* Gronovius (1756: 9; 1760: 265; 1763: 55) was in dispute, as were all of his generic names, because many authors felt his work was not truly binomial. His *Cyclogaster* was first published in 1756, but this is pre-Linnean. The 1760 work is clearly not binomial, although this is the date of the name usually found in zoological nomenclators, being the first post-Linnean publication of it. In 1954, the International Commission on Zoological Nomenclature formally ruled that Gronovius' 1763 work, as well as an index of it subsequently published by Meuschen, be placed on the Official Index of Rejected and Invalid Works in Zoological Nomenclature. Thus Macquart's *Cyclogaster* became the earliest valid use of the name in zoology.

Lindner (1958: 432), while discussing "*Cyclogaster*" *peregrinus* Hutton from New Zealand, recounted most of the above briefly, and noted that no type-species had been designated for *Cyclogaster* Macquart, but was apparently not aware of the I. C. Z. N. ruling. He also mentioned that *Nemotelus villosus* Fabricius was the type-species of *Lasiopa* (as had Enderlein, 1914: 613, and several other authors), which is erroneous, as the only species name associated with *Lasiopa* in Brullé's original description was *Lasiopa peleteria*, which was described concurrently and is still regarded as a valid species.

As I interpret the situation, a type-species designation is necessary for *Cyclogaster* Macquart in order to stabilize generic synonymy, and as far as I am aware, this has never been done. In order to preserve the presently accepted generic synonymies, I hereby designate *Nemotelus villosus* Fabricius, originally included in *Cyclogaster* by Macquart, as type-species for that genus. The following

synonymy for *Lasiopa*, the senior generic name, results:

*Lasiopa* Brullé, 1832: 307. Type-species: *L. peleteria* Brullé, 1832: 308 (by monotypy).  
*Cyclogaster* Macquart, 1834: 256. Type-species: *Nemotelus villosus* Fabricius, 1794: 270 (by present designation).

*Inermia* Bigot, 1856: 82. Type-species: *Stratiomys edentula* Wiedemann, 1824: 29 (by original designation, *op. cit.*:63).

*Neotropicalias* Kirkaldy, 1910: 8; replacement name for *Cyclogaster* Macquart, 1834, *nec* Gronovius, 1763. Type-species: *Nemotelus villosus* Fabricius, 1794: 270 (by autotypy).

The above type-species designation thus stabilizes the long-used synonymy of *Cyclogaster* with *Lasiopa*, while retaining the name *Labocerina* Enderlein for the Neotropical *Stratiomys atrata* Fabricius. The name *Neotropicalias* Kirkaldy became an unnecessary, and therefore invalid, replacement name when *Cyclogaster* Gronovius was rejected by the I. C. Z. N. ruling.

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